

Serial Number: 10/627,563
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BALCOCK IP

Specification Amendments

Please replace paragraph 0007 (as referenced in the application publication US 2005/0017916) with:

[0007] Cross polarization is a form of interference that occurs when dual signals having different polarizations are simultaneously transmitted and or received by the antenna. Either of the dual signals may propagate on or reflect from surfaces of the sub reflector and/or waveguide partially transforming into the polarization mode of the other signal, creating inter-signal interference. To minimize cross polarization, prior self supported feed reflector antennas have applied corrugations to the sub reflector and/or waveguide, for example, as described in US patent 4,963,878 issued October 16, 1990 to Kildal.